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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Toru MATSUKI  
Title: METHOD FOR TESTING HANDOVER FUNCTION AND  
SPECTRUM SPREAD MOBILE COMMUNICATION SYSTEM  
Appl. No.: 10/552,742  
International Filing Date: 04/13/2004  
371(c) Date: 3/31/2006  
Examiner: Trost IV, William G.  
Art Unit: 2617  
Confirmation Number: 2127

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

**RELEVANCE OF EACH DOCUMENT**

The documents listed on the attached PT0/SB/08 were cited as being relevant during the prosecution of the corresponding Korean application. A partial English translation of the Korean Office Action of October 23, 2006, follows:

Cited Invention 1 (9/25/2000; Korean Unexamined Patent Application Publication 2000-57723) relates to a call control method and system for mobile communication comprising the calculation of difference in reception field strength between a mobile terminal located in a boundary region and two base stations, the comparison of transmission loss, the execution of handover, etc.

Cited Invention 2 (6/15/2001; Korean Unexamined Patent Application Publication 2001-48893) relates to a handoff testing device and method for a mobile communication system comprising a handoff test, power control, transmission loss computation, etc.

A. The invention described in Claim 1 of the present application relates to a handover function testing method including a step of calculating the difference in reception field level between the mobile terminal and the base stations involved in the handover, a transmission power control step, and a handover function testing step.

Comparing the present invention to Cited Invention 1, the purpose and effect of the inventions are identical in the point of calculating the reception field level difference between a mobile terminal and base stations, and based on that, executing (testing) the handover function.

Comparing the constitutions, the step of calculating the reception field level difference and the handover function testing step of Claim 1 of the present application correspond to the reception field strength difference computation and handover execution of Cited Invention 1. However, Claim 1 of the present application limits the application of the invention to testing for handover by means of reception field level difference calculation (Point of Difference 1), and thus additionally includes a transmission power control step (Point of Difference 2), but [see] the power control arrangement in Cited Invention 2.

B. The invention described in Claims 2 through 3 of the present application is the handover function testing method of Claim 1, characterized in that the transmission power control arrangement is specified, the reception field level is measured and reported to a base station controller, and a step of calculating an adjustment value for power control is additionally included. Comparing the present invention to Cited Invention 1, Claims 2 through 3 of the present application differ from Cited Invention 1 in the point of additionally including a detailed arrangement for power control, but [see] the forward/reverse link power attenuation and per channel adjustment capable variable attenuator/interference signal generator/controller of Cited Invention 2.

C. The inventions described in Claims 4 through 6 of the present application relate to a spread spectrum mobile communication system which tests a handover function, differing only in category from the handover function testing method of Claims 1 through 3.

(ATTACHMENTS)

Attachment 1 Korean Unexamined Patent Application  
Publication 2000-57723 (9/25/2000), 1 copy

Attachment 2 Korean Unexamined Patent Application  
Publication 2001-48893 (6/15/2001), 1 copy

Document B1 is a U.S. counterpart of Document B3.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**STATEMENT**

The undersigned hereby states in accordance with 37 CFR §1.704(d) that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date: November 17, 2006

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Approved for use through 03/31/2007. OMB 0651-0031  
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Substitute for form <del>PTO-100</del>			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			<b>Application Number</b>	10/552,742
Date Submitted: November 17, 2006			<b>Filing Date</b>	04/13/2004
(use as many sheets as necessary)			<b>First Named Inventor</b>	Toru MATSUKI
			<b>Art Unit</b>	2617
			<b>Examiner Name</b>	Trost IV, William G.
			<b>Attorney Docket Number</b>	016778-0501
Sheet	1	of 1		

#### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/F.C./	B1	6,639,233 B1	03-25-2003	TAKETSUGU	

#### UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

#### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code* Number* Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/F.C./	B2	KR 2001-0048893	06-15-2001	KOREA ELECTRONICS & TELECOM RES. INST.		A
/F.C./	B3	KR 2000-0057723	09-25-2000	NEC CORPORATION		A

#### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	/Fred Casca/	Date Considered	06/22/2008
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\*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (NIPU Standard ST 3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.99. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.